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(54) TUBULAR POROUS DOUBLE LAYER FILM AND ITS PRODUCTION

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(57) Abstract:

PURPOSE: To dispose layers which are adequate as a filter medium, have high porosity and have a wide range of film structures by integrally fixing porous polytetrafluoroethylene resin (hereafter abbreviated as PTFE) sheets by thermal fusing to the inside surface of a porous PTFE tube.

CONSTITUTION: At least one layers 2 consisting of the porous PTFE sheets or fluid permeable laminated sheets formed by laminating the porous PTFE sheets and synthetic resin (e.g. polypropylene) sheets having the m. p. lower than the m. p. of the PTFE are integrally fixed by thermal fusing to the inside surface of the porous PTFE tube 1. Consequently, the tubular porous PTFE double layer film which is adequate as the filter medium desired to separate solid from liquid, has the high porosity, is controllable in the film structures of the inside surface of the tube over a wide range corresponding to the purpose or use and has the excellent filtration performance is obtd.